

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000047**Date Inspected:** 18-Apr-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Lu Jian Hua**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** NA**Bridge No:** 34-0006**Component:** NA**Bid Item:** 52, 55**Lot No:** NA**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Mike Hasler was present to observe quality control functions related to welding, testing and fabrication procedures at the ZPMC facility on Changxing Island for the San Francisco Oakland Bay Self Anchored Suspension Bridge.

At 1100 hour, ZPMC QA Inspector, Mr. Lu Jian Hua presented welder qualification radiographs for review. Caltrans Lead Inspector, Mr. David McClary reviewed the film. Mr. McClary observed seven radiographs, identified as 070406016, 070406052, 070406056, 070406057, 070406061, 070406063 and 070604064 with objectable film. The radiographs showed weld reinforcement with surface irregularities that may obscure discontinuities in the radiograph.

Mr. McClary met ABF representative, Mr. Nathan Lindell in regards to the quality of the radiographs for film interpretation. Mr. Lindell reviewed the radiographs and concurred with Mr. McClary concerns with the radiographs. Mr. McClary and Mr. Lindell met with Mr. Lu and questioned him about weld reinforcement and the concerns about interpretation of such radiographs. Mr. Lu stated that ZPMC radiographic personnel visually examined the test plates prior to xraying and had removed weld reinforcement with questionable weld profile to facilitate in the interpretation of the film. Caltrans QA asked Mr. Lu if the test plates that were xrayed were available, to verify, that test plates were selected and ground to aid in the interpretation of the film. Mr. Lu directed Caltrans QA, Mr. McClary and Mr. Lindell to where the test plates were being stored. After a visual inspection of the test plates, it appeared that none of the test plates had any weld reinforcement removed. Mr. Lu then explained that ZPMC QA requested ZPMC xray personnel visually inspect test plates with questionable weld profiles and removed the reinforcement by grinding to a smooth finish. Mr. McClary asked Mr. Lindell and Mr. Lu, if Moody International has reviewed the film, prior to presenting them to Caltrans for review. Mr. Lu stated that Moody has not reviewed the film, due to Moody not being available until Saturday, April 21, 2007. Mr.

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McClary informed Mr. Lindell that Moody International is to review radiographs prior to presenting them to Caltrans for review.



Summary of Conversations:

See Task Leader journal for this week.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Hasler, Mike	Quality Assurance Inspector
Reviewed By:	McClary, David	QA Reviewer
